

Comparisons of Job Characteristics

Focus Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation: Segmental Pavers (47-4091)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation: Segmental Pavers (47-4091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	12.5	11.0	< Expanded education and/or training may be required
Building and Construction	4.0	9.3	12.2	>> Current knowledge level is likely more than sufficient
Transportation	4.6	8.7	10.6	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation: Segmental Pavers (47-4091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Coordination	9.1	10.6	9.5	< A higher skill level may be required
Operation and Control	5.4	8.5	11.4	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Highway Maintenance Workers (47-4051)

Associated Occupation: Segmental Pavers (47-4091)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Multilimb Coordination	6.0	10.7	12.9	>	Current ability level is likely sufficient
Control Precision	6.6	10.6	13.3	>	Current ability level is likely sufficient
Static Strength	5.0	9.6	10.1	0	Current ability level may be sufficient
Response Orientation	4.0	7.6	9.8	>	Current ability level is likely sufficient
Dynamic Strength	3.5	7.5	6.4	<	Some improvement in abilities may be required
Spatial Orientation	2.7	6.1	6.9	>	Current ability level is likely sufficient
Speed of Limb Movement	3.2	6.0	8.7	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Highway Maintenance Workers (47-4051)
Associated Occupation: Segmental Pavers (47-4091)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Apply adhesives, caulking, sealants, or coatings	45
Fabricate, assemble, or disassemble manufactured products by hand	11
Move or fit heavy objects	8
Operate power construction equipment	84
Read tape measure	41
Understand construction specifications	53
Use concrete fabrication techniques	74
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Highway Maintenance Workers (47-4051)
Associated Occupation: Segmental Pavers (47-4091)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.